



IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

1. (CURRENTLY AMENDED) Device for heat transfer between a first wall and a second wall respectively in contact with a first thermal mass and a second thermal mass, comprising:

an insulating unit capable of being interposed between the first wall and the second wall to define a closed loop for the circulation of a heat-exchanging fluid, and including a first channel extending substantially vertically along the first wall and a second channel extending substantially vertically along the second wall, the first channel and the second channel being staggered with respect to one another in the vertical direction in order to define a low channel and a high channel, as well as an upper channel connecting the first channel and the second channel and a lower channel connecting the first channel and the second channel,

wherein the circulation of the heat-exchanging fluid is effected naturally in the loop when the low channel is at a higher temperature than the high channel, which permits a heat transfer, and the circulation of heat-exchanging fluid is naturally blocked in the loop when the low channel is at a lower temperature than the high channel, which prevents heat transfer by forming a thermal insulator, and

wherein the insulating unit includes an insulating core placed between the first wall and the second wall to define respectively the first channel and the second channel, as well as an upper partition and a lower partition disposed respectively above and below the core to define respectively the upper channel and the lower channel.

2. (CURRENTLY AMENDED) Device according to claim 1,

wherein the first channel forms a low channel and the second channel forms a high channel, which effects a heat exchange when the temperature of the first channel is higher than that of the second channel, and prevents a heat exchange when the temperature of the first channel is lower than that of the second channel.

3. (CURRENTLY AMENDED) Device according to claim 1,

wherein the first channel forms athe high channel and the second channel forms athe low channel, which effects a heat exchange when the temperature of the first channel is lower than that of the second channel and prevents a heat exchange when the temperature of the first channel is higher than that of the second channel.

4. (CURRENTLY AMENDED) Device according to one of claims 1 to 3, further comprising:

a selector for bringing the device into either of two states, including a first state in which the first channel forms athe low channel and the second channel forms athe high channel, and a second state in which the first channel forms athe high channel and the second channel forms athe low channel.

5. (WITHDRAWN) Device according to claim 4, further comprising:

first units configured in the first state and second units configured in the second state, wherein the selector puts into operation either the first units or the second units.

6. (WITHDRAWN) Device according to claim 5, wherein the selector includes a device to change the units over into the other of the two states.

7. (WITHDRAWN) Device according to claim 6, further comprising:

a shutter element which groups one or more of the first and second units capable of moving from the first state into the second state, or vice versa, by a changeover.

8. (WITHDRAWN) Device according to claim 1, further comprising:

a blocker for blocking voluntarily circulation of the heat-exchanging fluid .

9. (PREVIOUSLY PRESENTED) Device according to claim 1, wherein the first wall is exposed to solar radiation, whereas the second wall backs on to a thermal mass to be heated or cooled.

10. (PREVIOUSLY PRESENTED) Device according to claim 1, wherein the second wall

backs on to a wall of a building.

11. (PREVIOUSLY PRESENTED) Device according to claim 1, wherein the heat-exchanging fluid is air.

12. (PREVIOUSLY PRESENTED) Device according to claim 1, wherein the insulating unit includes an insulating material.

13. (PREVIOUSLY PRESENTED) Device according to claim 1, wherein the insulating material is selected from one of a polymer, a cellular concrete, and a flexible material.

14. (CANCELED)

15. (NEW) The device as recited in claim 1, wherein the upper and lower partitions are insulative.